

Power Cost Memorandum Fuel and Purchased Power Cost Update

Date: April 20, 2023

Utility Name (Cert. No.) IGIUGIG VILLAGE COUNCIL (681)	Utility File No. PC23-1221J	Date Filed: March 28, 2023
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PCE AMOUNT SUMMARY	Previously Approved PC23-1221I	Staff Recommended Amount(s) and Effective Date PC23-1221J
Class Rate	<u>Date Approved:</u> February 17, 2023	April 21, 2023
Residential	\$0.7199	\$0.7199
Community Facilities		
Up to 700 kWh	\$0.7199	\$0.7199
> 700 kWh	\$0.4942	\$0.4942
	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: <u>\$ 9.1825</u>	New Fuel Purchase Price: \$ 9.2525
<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Signed: *Brenda Cox*
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 4/20/23)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Kurber		<u><i>KKL</i></u>		
Doyle		<u><i>BD</i></u>		
Pickett		<u><i>RMP</i></u>		
Sullivan		<u><i>RMP</i></u> For DS		
Wilson	4/21/23	<u><i>JWW</i></u>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

IGIUGIG VILLAGE COUNCIL

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDED September 30, 2021

Fuel and Purchased Power Cost Update

	PC23-1221I	PC23-1221J	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated and Purchased	326,404	326,404	326,404
B. Total kWh Sold (Appendix 2)	271,737	271,737	271,737
C. Total Non-Fuel Costs (Appendix 2)	76,190	76,190	76,190
D. Non-Fuel Cost/kWh (C / B)	\$0.2804	\$0.2804	\$0.2804
E. Total Fuel Cost and Purchased Power (Appendix 2)	221,779	221,185	221,185
F. Fuel Costs/kWh (E / B)	\$0.8162	\$0.8140	\$0.8140
G. Eligible Costs/kWh (D + F)	\$1.0965	\$1.0943	\$1.0943
H. Eligible Cost/kWh (G) Less base rate /kWh	\$0.9007	\$0.8985	\$0.8985
I. Lesser of (H) or 80.42 cents/kWh	\$0.8042	\$0.8042	\$0.8042
J. Average Class Rates (Appendix 3)			
Residential	\$0.7199	\$0.7199	\$0.7199
Community Facilities			
Up to 700 kWh	\$0.7199	\$0.7199	\$0.7199
> 700 kWhs	\$0.4942	\$0.4942	\$0.4942
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.7199	\$0.7199	\$0.7199
Community Facilities			
Up to 700 kWh	\$0.7199	\$0.7199	\$0.7199
> 700 kWhs	\$0.4942	\$0.4942	\$0.4942
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.7199	\$0.7199	\$0.7199
Community Facilities			
Up to 700 kWh	\$0.7199	\$0.7199	\$0.7199
> 700 kWhs	\$0.4942	\$0.4942	\$0.4942

PC23-1221J
Appendix 1

IGIUGIG VILLAGE COUNCIL

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY FOR TEST PERIOD ENDED September 30, 2021

Fuel and Purchased Power Cost Update

	PC23-1221I	PC23-1221J
	Prior Commission Approval	Per Utility Staff Recommended
Non-Fuel Costs:		
A. Personnel Costs	42,813	42,813
B. Operating Expenses	9,836	9,836
C. General & Administrative	12,076	12,076
D. Depreciation	11,465	11,465
E. Interest Expense	-	-
F. Other (Describe)	-	-
G. Total Non-Fuel Costs	\$76,190	76,190
Fuel Costs:		
H. Gallons Consumed for Electric Generation	23,225	23,225
I. Price of Fuel: Actual*	\$9.1825	\$9.2525
J. Total Fuel Costs	\$213,264	\$214,889
K. kWh Purchased during test year	\$13,991	13,991
L. Weighted Average Cost per kWh	\$0.6086	\$0.4500
M. Total Purchased Power	\$8,515	\$6,296
N. Total Cost of Fuel and Purchased Power	\$221,779	\$221,185
O. kWh Sales	271,737	271,737
P. kWh Generated	312,413	312,413
kWh Purchased	13,991	13,991
Total Generated and Purchased	326,404	326,404
Q. kWh Station Service	15,483	15,483
R. Efficiency Standard	13.45	13.45
S. Line Loss ≤ 12%	12.00%	12.00%

((kWh generated+kWh Purchased) -(kWh sales + Station Service))/(kWh generated+kWh Purchased)

Alaska Air Fuel 3/17/23 Fuel	7.2765	Fuel Mark-Up	
AK State Refined Fuel Surcharge	0.0095	Surcharge O&M 9/30/21	2.1060
Fed LUST Fee	0.0010	Less R&R Surcharge	(0.2780)
AK Kenai SalesTax	0.0000	Delivery Mark-up 12/8/22	0.1375
Adjusted Fuel Mark-Up	1.9655	Fuel Mark-up Total	1.9655
*Total Fuel Cost and Mark-up	<u>\$9.2525</u>		

Staff notes Igiugig paid \$9.61/gallon per Invoice 33785 Igiugig Village Council

Staff notes Igiugig included the State motor fuel tax of \$0.08 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C))

PC23-1221J
Appendix 2

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

Customer Charge : \$5.00

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Customer Charge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.1958 /kWh
750	0.9090	0.0067	0.9157	686.75	0.9157	0.7199
750				686.75	0.9157	0.7199
TOTAL						

Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

Customer Charge : \$5.00

	(1) Rate (\$/kWh)	(2) Customer Charge If Applicable (\$/kWh)	(3) Total Rate (\$/kWh) (A+B)	(4) Avg. Rate (\$/kWh) - 0.1958 /kWh
0 to 700	0.9090	0.0067	0.9157	0.7199
> 700 kWh	0.6900	0.0000	0.6900	0.4942

IGIUGIG VILLAGE COUNCIL

Power Purchased From
Igiugig Village Council
PO Box 4008
Igiugig, AK 99613

Invoice/

Check #	Date	kWh Purchased	per kWh charge	Amount	Month
32915	4/30/2022	1,052	0.4500	473.40	April
33123	5/31/2022	28	0.4500	12.60	May
	6/30/2022	-	0.0000	-	June
	7/31/2022	-	0.0000	-	July
33186	8/31/2022	55	0.4500	24.75	August
	9/30/2022	-	0.0000	-	September
	10/31/2022	-	0.0000	-	October
	11/30/2022	-	0.0000	-	November
	12/31/2022	-	0.0000	-	December
	1/31/2023	-	0.0000	-	January
	2/28/2023	-	0.0000	-	February
	3/31/2023	-	0.0000	-	March
Total		1,135		510.75	

Total kWhs purchased	1,135
Total Paid	510.75
Cost per kWh	0.4500

Signature: Keith Kurber II
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